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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/027,199

DATE: 02/06/2002

TIME: 09:52:25

Input Set : N:\Crf3\RULE60\10027199.raw
 Output Set: N:\CRF3\02062002\J027199.raw

1 <110> APPLICANT: Kwon, Byoung
 2 <120> TITLE OF INVENTION: NEW RECEPTOR AND RELATED PRODUCTS AND
 3 METHODS
 4 <130> FILE REFERENCE: 740.013US2
 5 <140> CURRENT APPLICATION NUMBER: 10/027,199
 6 <141> CURRENT FILING DATE: 2001-12-20
 7 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/955,572
 W--> 8 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1997-10-22
 9 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/461,652
 W--> 10 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1995-06-05
 11 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 08/122,796
 W--> 12 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1993-09-03
 13 <160> NUMBER OF SEQ ID NOS: 12
 14 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 838
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Homo sapiens
 20 <400> SEQUENCE: 1
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 22 catagtagcc actctgtgc tggcctcaa ctttgagagg acaagatcat tgcaggatcc 120
 23 ttgttagtaac tgcccagctg gtacattctg tgataataac aggaatcaga tttgcagtcc 180
 24 ctgtcctcca aatagttct ccagcgcagg tggacaaagg acctgtgaca tatgcaggca 240
 25 gtgtaaaggt gttttcagga ccaggaagga gtgttccctcc accagcaatg cagagtgtga 300
 26 ctgcactcca gggtttcaact gcctgggggc aggatgcagc atgtgtgaac aggattgtaa 360
 27 acaaggtaa gaactgacaa aaaaagggtt taaagactgt tgctttggaa catttaacga 420
 28 tcagaaaacgt ggcatctgtc gaccctggac aaactgtct ttgatggaa agtctgtgct 480
 29 tgtgaatggg acgaaggaga gggacgtggt ctgtggacca tctccagctg acctctctcc 540
 30 qggagcatcc tctgtgaccc cgctctcccc tgcgagagag ccaggacact ctccqccagat 600
 31 catctccttc tttcttgccg tgacgtgcac tgcgttgc ttcctgtgt tcttcctcac 660
 32 gctccgttcc tctgtttta aacggggcag aaagaaactc ctgtatatat tcaaacaacc 720
 33 atttatgaga ccagtacaaa ctactcaaga ggaagatggc tgttagctgcc gatttccaga 780
 34 agaagaagaa ggaggatgtg aactgtgaaa tggaaagtcaa tagggctgtt gggacttt 838
 36 <210> SEQ ID NO: 2
 37 <211> LENGTH: 255
 38 <212> TYPE: PRT
 39 <213> ORGANISM: Homo sapiens
 40 <400> SEQUENCE: 2
 41 Met Gly Asn Ser Cys Tyr Asn Ile Val Ala Thr Leu Leu Leu Val Leu
 42 1 5 10 15
 43 Asn Phe Glu Arg Thr Arg Ser Leu Gln Asp Pro Cys Ser Asn Cys Pro
 44 20 25 30
 45 Ala Gly Thr Phe Cys Asp Asn Asn Arg Asn Gln Ile Cys Ser Pro Cys

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46          35          40          45
47  Pro Pro Asn Ser Phe Ser Ser Ala Gly Gly Gln Arg Thr Cys Asp Ile
48      50          55          60
49  Cys Arg Cln Cys Lys Gly Val Phe Arg Thr Arg Lys Glu Cys Ser Ser
50      65          70          75          80
51  Thr Ser Asn Ala Glu Cys Asp Cys Thr Pro Gly Phe His Cys Leu Gly
52      85          90          95
53  Ala Gly Cys Ser Met Cys Glu Gln Asp Cys Lys Gln Gly Gln Glu Leu
54      100         105         110
55  Thr Lys Lys Gly Cys Lys Asp Cys Cys Phe Gly Thr Phe Asn Asp Gln
56      115         120         125
57  Lys Arg Gly Ile Cys Arg Pro Trp Thr Asn Cys Ser Leu Asp Gly Lys
58      130         135         140
59  Ser Val Leu Val Asn Gly Thr Lys Glu Arg Asp Val Val Cys Gly Pro
60      145         150         155         160
61  Ser Pro Ala Asp Leu Ser Pro Gly Ala Ser Ser Val Thr Pro Pro Ala
62      165         170         175
63  Pro Ala Arg Glu Pro Gly His Ser Pro Gln Ile Ile Ser Phe Phe Leu
64      180         185         190
65  Ala Leu Thr Ser Thr Ala Leu Leu Phe Leu Leu Phe Phe Leu Thr Leu
66      195         200         205
67  Arg Phe Ser Val Val Lys Arg Gly Arg Lys Lys Leu Leu Tyr Ile Phe
68      210         215         220
69  Lys Gln Pro Phe Met Arg Pro Val Gln Thr Thr Gln Glu Glu Asp Gly
70      225         230         235         240
71  Cys Ser Cys Arg Phe Pro Glu Glu Glu Gly Gly Cys Glu Leu
72      245         250         255
74 <210> SEQ ID NO: 3
75 <211> LENGTH: 20
76 <212> TYPE: DNA
77 <213> ORGANISM: Homo sapiens
78 <400> SEQUENCE: 3
79      ttytgygaa artayaaycc
80 <210> SEQ ID NO: 4
81 <211> LENGTH: 20
82 <212> TYPE: DNA
83 <213> ORGANISM: Homo sapiens
84 <210> SEQ ID NO: 4
85 <211> LENGTH: 20
86 <212> TYPE: DNA
87 <213> ORGANISM: Homo sapiens
88 <400> SEQUENCE: 4
89      ttytcstswa htggtgacca
90 <210> SEQ ID NO: 5
91 <211> LENGTH: 20
92 <212> TYPE: DNA
93 <213> ORGANISM: Homo sapiens
94 <400> SEQUENCE: 5
95      cccargswrc aggtyttrca
96 <210> SEQ ID NO: 6
97 <211> LENGTH: 20
98 <212> TYPE: DNA
99 <213> ORGANISM: Homo sapiens

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99 <400> SEQUENCE: 6
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102 <210> SEQ ID NO: 7
103 <211> LENGTH: 25
104 <212> TYPE: DNA
105 <213> ORGANISM: Homo sapiens
106 <400> SEQUENCE: 7
107      aataaagcttt gctagtatca tacct
109 <210> SEQ ID NO: 8
110 <211> LENGTH: 30
111 <212> TYPE: DNA
112 <213> ORGANISM: Homo sapiens
113 <400> SEQUENCE: 8
114      ttaagatctc tgcggagagt gtcctggctc
116 <210> SEQ ID NO: 9
117 <211> LENGTH: 2350
118 <212> TYPE: DNA
119 <213> ORGANISM: Mus musculus
120 <220> FEATURE:
121 <221> NAME/KEY: unsure
122 <222> LOCATION: (1253)...(1255)
123 <223> OTHER INFORMATION: (a or g or c or t/u)
124 <400> SEQUENCE: 9
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126      ctacaccagg aaaaggacac attcgacaac agggaaaggag cctgtcacag aaaaccacag
127      tgtctgtgc atgtgacatt tcgccatggg aaacaactgt tacaacgtgg tggtcattgt
128      gctgctgcta gtgggctgtg agaaggtggg agccgtgcag aactcctgtg ataactgtca
129      gcctgttact ttctgcagaa aatacaatcc agtctgcaga agctgccctc caagtacctt
130      ctccagcata ggtggacagc cgaactgtaa catctgcaga gtgtgtgcag gctatttcag
131      gttcaagaag ttttgcctt ctacccacaa cgccgaggtgt gagtgcattt aaggattcca
132      ttgttgggg ccacagtgca ccagatgtga aaaggactgc aggctggcc aggagcta
133      gaagcagggt tgcaaaaacct gtagcttggg aacatttaat gaccagaacg gtactggcgt
134      ctgtcgaccc tggacgaact gctctctaga cggaaggctt gtgtttaaga ccgggaccac
135      ggagaaggac gtgtgtgtg gacccctgt ggtgagcttct tctccagta ccaccattt
136      tgtgactcca gagggaggac caggaggcata ctccttgcag gtccttacct tggccttgc
137      gctgacatcg gcttgctgc tggccctgtat cttcattact ctcctgttct ctgtgctcaa
138      atggatcagg aaaaaattcc cccacatatt caagcaacca tttaagaaga ccactggagc
139      agctcaagag gaagatgtt gtagctgccc atgtccacag yaayaagaag qaggaggagg
140      aggctatgag ctgtgatgta ctatcctagg agatgtgtgg gcccggaaaccg agaagacta
141      ggaccccccacc atcctgttga acagcacaag caaccccccacc accctgttct tacacatcat
142      ccttagatgtat gtgtggcgc gcacccatc caagtctt ctaacgctaa catatttgc
143      tttaccttt ttaaatctt ttttaattt aaattttatg tggatgtgagtt ttttgcttgc
144      ctgtatgcac acgtgtgtgt gtgtgtgtgt gtgacactcc tggatgttgc gggaggtcaga
145      agacaaaggg ttgggtccat aagaactgga gttatggat gttatggat gggatgttgc ggnnnngatag
146      gtcgggacgg agacctgtct tcttattttt acgtgactgt ataataaaaa aaaaatgata
147      tttcgggaat tggatgtgat gtcctgacac ctttcttagt aatgtatctaa gagaaattgt
148      tgatgtatgt tataactgtat atgtgtatgt atatgtatataa gactctttt
149      ctgtcaaaatg caacccatag tggatgttgc ccaggatcaat ttttattggac attttacgtc
150      acacacacac acacacacac acacacacacq ttataactacq tactgttatac qgtatttac

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Input Set : N:\Crf3\RULE60\10027199.raw

Output Set: N:\CRF3\02062002\J027199.raw

151	gtcatataat	gggatagggt	aaaaggaaac	caaaggagtga	gtgatattat	tgtggaggtg	1620											
152	acagactacc	ccttctgggt	acgttagggac	agacccctt	ggactgtct	aaaactcccc	1680											
153	ttagaagtct	cgtcaagttc	ccggacgaag	aggacagagg	agacacagtc	cgaaaaagtt	1740											
154	ttttccggc	aaatcccttc	cctgttgcgt	gacactccac	cccttgtgga	caatttgagtg	1800											
155	tcatcctgc	gcggaaaggt	cagggtgtac	ccgtctgtag	gggcggggag	acagagccgc	1860											
156	gggggagcta	cgagaatcga	ctcacaggc	gccccggct	tcgcaaatga	aaattttta	1920											
157	atetcacaag	tttgcgtccgg	gctcggcgga	cctatggcgt	cgatccttat	taeattatcc	1980											
158	tggcgccaa	ataaaacaac	caaaggcctt	gactccggta	ctaattctcc	ctgcggcccc	2040											
159	ccgtaagcat	aacgcggcga	tctccacttt	aagaacctgg	ccgcgttctg	cctggctctcg	2100											
160	ctttcgtaaa	cggttcttac	aaaagtaatt	agttttgtct	ttcagctcc	aagtttctgc	2160											
161	tagtctatgg	cajcatcaag	gctggattt	gctacggctg	accgctacgc	cgccgcaata	2220											
162	agggtactgg	gcggcccg	gaaggccctt	tggttcaga	aacccaaggc	ccccctcata	2280											
163	ccaacgtt	caacttjatt	cttgcggta	cgtgggtgt	ggtgccttag	cttttctcg	2340											
164	atagttagac						2350											
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167	<211> LENGTH: 256																	
168	<212> TYPE: PRT																	
169	<213> ORGANISM: Mus musculus																	
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172	1							5				10				15		
173	Gly	Cys	Glu	Lys	Val	Gly	Ala	Val	Gln	Asn	Ser	Cys	Asp	Asn	Cys	Gln		
174								20				25				30		
175	Pro	Gly	Thr	Phe	Cys	Arg	Lys	Tyr	Asn	Pro	Val	Cys	Lys	Ser	Cys	Pro		
176								35				40				45		
177	Pro	Ser	Thr	Phe	Ser	Ser	Ile	Gly	Gly	Gln	Pro	Asn	Cys	Asn	Ile	Cys		
178								50				55				60		
179	Arg	Val	Cys	Ala	Gly	Tyr	Phe	Arg	Phe	Lys	Lys	Phe	Cys	Ser	Ser	Thr		
180								65				70				75		
181	His	Asn	Ala	Glu	Cys	Glu	Cys	Ile	Glu	Gly	Phe	His	Cys	Leu	Gly	Pro		
182								85				90				95		
183	Gln	Cys	Thr	Arg	Cys	Glu	Lys	Asp	Cys	Arg	Pro	Gly	Gln	Glu	Leu	Thr		
184								100				105				110		
185	Lys	Gln	Gly	Cys	Lys	Thr	Cys	Ser	Leu	Gly	Thr	Phe	Asn	Asp	Gln	Asn		
186								115				120				125		
187	Gly	Thr	Gly	Val	Cys	Arg	Pro	Trp	Thr	Asn	Cys	Ser	Leu	Asp	Gly	Arg		
188								130				135				140		
189	Ser	Val	Ieu	Lys	Thr	Gly	Thr	Thr	Glu	Lys	Asp	Val	Val	Cys	Gly	Pro		
190								145				150				155		
191	Pro	Val	Val	Ser	Phe	Ser	Pro	Ser	Thr	Thr	Ile	Ser	Val	Thr	Pro	Glu		
192								165				170				175		
193	Gly	Gly	Pro	Gly	Gly	His	Ser	Leu	Gln	Val	Leu	Thr	Leu	Phe	Leu	Ala		
194								180				185				190		
195	Leu	Thr	Ser	Ala	Leu	Leu	Leu	Ala	Leu	Ile	Phe	Ile	Thr	Leu	Leu	Phe		
196								195				200				205		
197	Ser	Val	Ieu	Lys	Trp	Ile	Arg	Lys	Lys	Phe	Pro	His	Ile	Phe	Lys	Gln		
198								210				215				220		
199	Pro	Phe	Lys	Lys	Thr	Thr	Gly	Ala	Ala	Gln	Glu	Glu	Asp	Ala	Cys	Ser		
200								225				230				235		

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Input Set : N:\Crf3\RULE60\10027199.raw
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201 Cys Arg Cys Pro Gln Glu Glu Gly Gly Gly Gly Tyr Glu Leu
202 245 250 255
204 <210> SEQ ID NO: 11
205 <211> LENGTH: 24
206 <212> TYPE: PRT
207 <213> ORGANISM: Homo sapiens
208 <220> FEATURE:
209 <221> NAME/KEY: ZN_FING
210 <222> LOCATION: 2...3, 5...13, 15...17, 19...21, 23
211 <223> OTHER INFORMATION: Putative zinc finger structure
212 <400> SEQUENCE: 11
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214 1 5 10 15
W--> 215 Xaa His Xaa Xaa Xaa Cys Xaa Cys
216 20
218 <210> SEQ ID NO: 12
219 <211> LENGTH: 12
220 <212> TYPE: PRT
221 <213> ORGANISM: Homo sapiens
222 <400> SEQUENCE: 12
223 Leu Gln Asp Pro Cys Ser Asn Cys Pro Ala Gly Thr
224 1 5 10

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/027,199

DATE: 02/06/2002

TIME: 09:52:26

Input Set : N:\Crf3\RULE60\10027199.raw
Output Set: N:\CRF3\02062002\J027199.raw

L:8 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:10 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:12 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11